

# ANNUAL REPORT FOR 2008



**Parrot Swamp Bridge**  
**Onslow County**  
**TIP No. B-3358**  
**CAMA permit No. 80-03**



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## **SUMMARY**

The Parrot Swamp Bridge Mitigation Site (B-3358) is located in Onslow County. This is an annual report for temporary impacts associated with the bridge replacement of Bridge No. 91 over Parrot Swamp on SR 1509. The site was completed in November 2005.

It was previously reported that the temporary impacts totaled 0.23 acres. This was due to the fact that NCDOT previously monitored mechanized clearing areas that were considered permanent impacts. After further review please note that the temporary impacts encompass approximately 0.17 acres due to fill for the temporary detour causeway. The area that was impacted is being monitored to ensure that it re-attains wetland jurisdictional status. Hydrologic monitoring is not required for this site; however vegetation monitoring is required for three years.

After the third year of monitoring, the Parrot Swamp Bridge site shows by visual observation that the temporarily impacted area is re-attaining wetland jurisdictional status.

NCDOT proposes to discontinue vegetation monitoring of this site.

## **1.0 INTRODUCTION**

### **1.1 Project Description**

The Parrot Swamp Bridge Site (B-3358) is located in Onslow County. This is an annual report for temporary impacts associated with bridge replacement of Bridge No. 91 over Parrot Swamp on SR 1509 (Figure 1).

### **1.2 Purpose**

In order for a temporarily impacted site to be considered successful, the site must re-attain wetland jurisdictional status. This report details the vegetation monitoring in 2008 at the Parrot Swamp Bridge site. Hydrologic monitoring was not required for this site.

### **1.3 Project History**

November 2005	Project Completed
July 2006	Vegetation Monitoring (1 year)
July 2007	Vegetation Monitoring (2 year)
July 2008	Vegetation Monitoring (3 year)

## **2.0 VEGETATION: PARROT SWAMP BRIDGE SITE (YEAR 3 MONITORING)**

### **2.1 Success Criteria**

Due to the possibility that compaction, mechanized clearing, and/or other site alterations might prevent the temporary wetland impact area from re-attaining wetland jurisdictional status, the permittee shall provide an annual update on the wetland areas temporarily impacted by this project. This annual update will consist of photographs and a brief report on the progress of the temporarily impacted areas. After three years of monitoring, the permittee shall schedule a field meeting with DCM, DWQ, and WRC to determine if the temporarily impacted areas have re-attained jurisdictional wetland status. If at the end of three years the area has not re-attained jurisdictional wetland status, NC DCM and the above listed agencies shall determine whether a compensatory wetland mitigation plan will be required.

### **2.2 Description of Species**

#### **Temporary Impact Area:**

*Liriodendron tulipifera*, Tulip Poplar

*Quercus nigra*, Water Oak

*Quercus phellos*, Willow Oak

*Fraxinus pennsylvanica*, Green Ash

### **2.3 Results of Vegetation Monitoring**

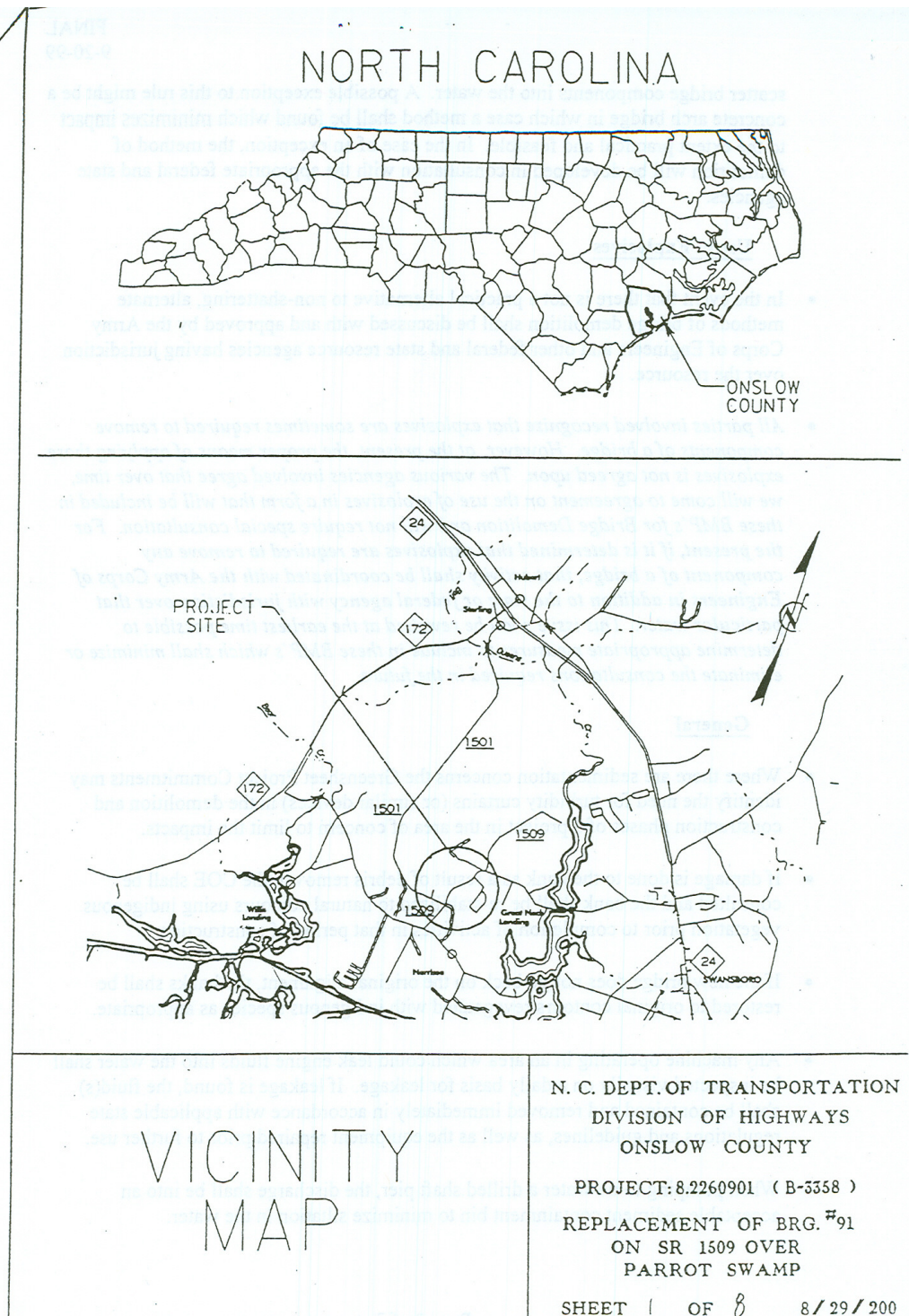
Species noted in temporary impact and mechanized clearing areas are as follows: cattails, sedge, green ash, *Juncus* sp., black willow, queen ann's lace, tulip poplar, goldenrod, fennel, wax myrtle, lespedeza, woolgrass, briars, sweetgum, and various grasses.

### **2.4 Conclusions**

There were approximately 0.17 acres of temporary impacts on site. By visual observation, Parrot Swamp Bridge site shows that the planted species are surviving and natural re-vegetation is occurring. The impacted areas are re-attaining jurisdictional wetland status.

## **3.0 OVERALL CONCLUSIONS AND RECOMMENDATIONS**

NCDOT proposes to discontinue vegetation monitoring at the Parrot Swamp Bridge Site.



**Figure 1. Site Location Map**

**APPENDIX A**

**SITE PHOTOS**



# Parrot Swamp Bridge



Photo 1